

**CLAIMS**

1. A cushion suitable for use in an aircraft seat, said cushion comprising a foam structure having a first region of a low-density flame retardant foam, a second region of a flame retardant polyurethane foam and a sealing barrier  
5 disposed at the interface between said first and second regions, wherein said first region comprises foam having a density within the range from 8 to 12 kg/m<sup>3</sup>.
2. A cushion as claimed in claim 1, wherein the second region encloses, at least in part, a core comprising the first region.
3. A cushion as claimed in claim 1 or claim 2, wherein the sealing barrier  
10 comprises any of polyethylene, polyurethane or polyvinylchloride.
4. A cushion as claimed in any preceding claim, wherein the ratio of the volume of the first region to the second region is in the range from 20:80 to 80:20 (volume to volume).
5. A cushion as claimed in any preceding claim, wherein the ratio of the  
15 volume of the first region to the second region is substantially 50:50 (volume to volume).
6. A cushion as claimed in any preceding claim, wherein the first region comprises foam having a density within the range of 5 to 15 kg/m<sup>3</sup>.
7. A cushion as claimed in any preceding claim, wherein the first region  
20 comprises Melamine foam.
8. A cushion as claimed in any preceding claim, wherein the second region comprises a foam having a density within the range from 30 to 70 kg/m<sup>3</sup>.

BEST AVAILABLE COPY

9. A cushion ~~as~~ claimed in any preceding claim, wherein the second region comprises a foam ~~having~~ a density within the range from 40 to 65 kg/m<sup>3</sup>.

10. A cushion ~~as~~ claimed in any preceding claim, wherein the second region comprises at least ~~one~~ flame retardant additive.

5 11. A cushion ~~as~~ claimed in any preceding claim, wherein a fire blocking layer is provided over at ~~least~~ a part of the second region.

12. An aircraft ~~seat~~ comprising a cushion as ~~defined~~ in any of claims 1 to 11.

13. A method ~~of manufacturing~~ a cushion ~~suitable~~ for use in an aircraft seat as claimed in claim 1, ~~said method comprising the steps of:~~

- 10 (i) ~~fabricating~~ the low-density flame retardant foam into the desired configuration;
- (ii) ~~coating~~ the surface of said low-density flame retardant foam with a sealant barrier; and
- (iii) ~~applying~~ the flame retardant polyurethane foam to the sealing
- 15 barrier.